



Docket No.: 0103544.00131US2  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harold E. Helson Confirmation No.: 4787  
Application No.: 09/502,133 Art Unit: 2128  
Filed: February 11, 2000 Examiner: H. M. Jones  
Title: ENHANCING STRUCTURE DIAGRAM GENERATION

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

This Supplemental Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits and before the mailing date of a final Office Action or a Notice of Allowance.

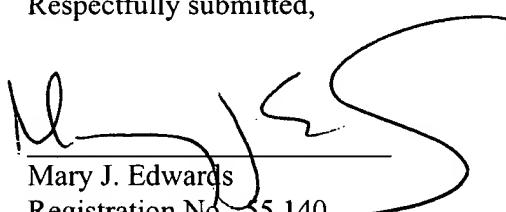
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Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Respectfully submitted,

Dated: May 21, 2007

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	09/502,133-Conf. #4787
				Filing Date	February 11, 2000
				First Named Inventor	Harold E. HELSON
				Art Unit	2128
				Examiner Name	H. M. Jones
Sheet	1	of	1	Attorney Docket Number	0103544.00131US2

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA*	US-5,619,421	04-08-1997	Venkataraman et al.		
AB*	US-5,956,711	09-21-1999	Sullivan et al.		
AC*	US-6,319,668-B1	11-20-2001	Nova et al.		
AD*	US-6,871,198-B2	03-22-2005	Neal et al.		
AE*	US-6,884,394-B1	04-26-2005	Hehenberger et al.		

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
BA	JP-401161578		06-26-1989	Toshiba Corp.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<b>NON PATENT LITERATURE DOCUMENTS</b>					
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	CA	CS CHEMFINDER, "The ChemFinder WebServer: Indexing Chemical Data on the Internet", <a href="http://web.archive.org/web/19990417145549/chemfinder.camsoft.com/chimia.html">http://web.archive.org/web/19990417145549/chemfinder.camsoft.com/chimia.html</a> , September 16, 2006, 12 pages			
	CB	GELIN, B. R. et al., "Inventory Tracking and ChemOffice: CIS Pro Chemical Inventory Package Connects with CS ChemOffice," CambridgeSoft News, Press Release, August 24, 1998, 2 pages			
	CC	GELIN, B. R., "ChemACX Chemical Database: Search Over 100 Leading Catalogs on your Desktop or on the WWW," CambridgeSoft News, Press Release, January 18, 1999, 3 pages			
	CD	GELIN, B.R., "CS ChemInfo WebServer: Subscription Services Offer WWW Substructure Searching," CambridgeSoft News, Press Release, August 24, 1998, 2 pages			

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/502,133-Conf. #4787
<i>(Use as many sheets as necessary)</i>				Filing Date	February 11, 2000
				First Named Inventor	Harold E. Helson
				Art Unit	2128
				Examiner Name	H. M. Jones
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AA*	US-4,747,059	05-24-1988	Hirayama et al.		
AB*	US-4,473,890	09-25-1984	Araki et al.		
AC*	US-5,418,944	05-23-1995	DiPace et al.		
AD*	US-5,486,995	01-23-1996	Krist et al.		
AE*	US-5,577,239	11-19-1996	Moore et al.		
AF*	US-5,740,425	04-14-1998	Povilus		
AG*	US-5,778,377	07-07-1998	Marlin et al.		
AH*	US-5,841,678	11-24-1998	Hasenberg et al.		
AI*	US-5,851,272	12-22-1998	Vicenzi		
AJ*	US-5,874,564	02-23-1999	Ecker et al.		
AK*	US-5,950,192	09-07-1999	Moore et al.		
AL*	US-5,978,848	11-02-1999	Maddalozzo, Jr. et al.		
AM*	US-5,978,804	11-02-1999	Dietzman		
AN*	US-6,007,691	12-28-1999	Klock, Jr.		
AO*	US-6,023,659	02-08-2000	Seilhamer et al.		
AP*	US-6,023,683	02-08-2000	Johnson et al.		
AQ*	US-6,038,562	03-14-2000	Anjur et al.		
AR*	US-6,055,516	01-07-2003	Johnson et al.		
AS*	US-6,061,636	05-09-2000	Horlbeck		
AT*	US-6,128,619	10-03-2000	Fogarasi et al.		
AU*	US-6,189,013	02-13-2001	Maslyn et al.		
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AW*	US-6,226,620	05-01-2001	Oon et al.		
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AE1*	US-6,324,522	11-27-2001	Peterson et al.		
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AK1*	US-6,584,412	06-24-2003	Brecher		
AL1*	US-6,618,852	09-09-2003	van Eikeren et al.		
AM1*	US-6,631,381	10-07-2003	Couch et al.		
AN1*	US-6,675,105	01-06-2004	Hogarth et al.		
AO1*	US-6,721,754	04-13-2004	Hurst et al.		
AP1*	US-6,751,615	06-15-2004	Nisler et al.		
AQ1	US-US 2002/0049548	04-25-2002	Bunin		
AR1	US-US 2002/0165853	11-07-2002	Gogalak		

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BA	WO-99/58474	11-18-1999	ISIS Pharmaceuticals			

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	CA	Anonymous, "Databases Added to ChemWeb", <i>Information Today</i> , 2 pages, May, 1998					
	CB	BARNARD, J.M., "Substructure Searching Methods: Old and New", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 33, pp. 532-538, 1993					
	CC	BRECHER, "The ChemFlnder WebServer: Indexing Chemical Data on the Internet", <i>CHIMIA</i> , Vol. 52, pp. 658-661, 1998					
	CD	Business Editors/Health & Medical Writers, "Janssen Selects MDL's ISIS, Relational Chemical Gateway as Informatics Foundation for High Throughout Discovery", 3 pages, 2 December 1998					
	CE	CASH, "A Simple Means of Computing the Kekule Structure Count for Toroidal Polyhex Fullerenes", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 38, No. 1, pp. 58-61, 1998					
	CF	Cambridge Scientific Computing, Inc., "Chem3D the Molecular Modeling System", pp. 1-337, 1990					
	CG	ChemDraw: Chemical Structure Drawing Standard (Publ. CambridgeSoft Corp.), pp. 68-69					
	CH	Cheminovation Software, "Chemistry 4-D Draw", <i>User's Guide</i> , pp. 1-61, 1997					
	CI	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 1. Introduction and Background to a Grammar-Based Approach", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 101-105, 1989					
	CJ	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.2. Development of a Formal Grammar", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 106-112, 1989					
	CK	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.3. Syntax Analysis and Semantic Processing", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 112-118, 1989					
	CL	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.4. Concise Connection Tables to Structure Diagrams", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 30, pp. 122-127, 1990					
	CM	COOKE-FOX et al., "Computer Translation of IUPAC SYstematic Organic Chemical Nomenclature.5. Steroid Nomenclature", <i>J. Chem. Inf. Comput. Sc.</i> , Vol. 30, pp. 128-132, 1990					
	CN	COOKE-FOX et al., "From names to diagrams - by computer", <i>Chemistry in Britain</i> , pp. 467-471, 1985					
	CO	CRC Handbook of Chemistry and Physics, Student Edition, 76th Edition, Section 2, pp. 2-22 through 2-26, 1996-1996					
	CP	ERTL, P. et al., "WWW-Based Chemical Information System", <i>Journal of Molecular Structure</i>					

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		( <i>Theochem</i> ), Vol. 449, p. 113-129, 8 December 1997	
	CQ	GLENDENING et al., "Natural Resonance Theory: I. General Formalism", <i>Journal of Computational Chemistry</i> , Vol. 19, No. 6, pp. 593-609, 30 April 1998	
	CR	GRAOVAC et al., "Kekule Index for Valence Bond Structures of Conjugated Polycyclic Systems", <i>Journal of the American Chemical Society</i> , Vol. 95, No. 19, pp. 6267-6273, 1973	
	CS	IHLENFELDT, W.W. et al., "Augmenting Connectivity Information by Compound Name Parsing: Automatic Assignment of Stereochemistry and Isotope Labeling", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 35, pp. 663-674, 1995	
	CT	IHLENFELDT, W.D. et al., "Beyond the Hyperative Molecule: Search, Salvage and Visualization of Chemical Information from the Internet", <i>Pacific Symposium on Biocomputing '96</i> , Vol. SYMP.1, pp. 384-398, 3 January 1996	
	CU	Information Today, "ISI develops electronic Index Chemicus", Medford, Vol. 10, Iss. 5, p. 64, May 1993	
	CV	KIRBY et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 6. (Semi) Automatic Name Correction", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 31, pp. 153-160, 1991	
	CW	MORIKAWA, "Enumeration of Kekule Structures in Polyradical Polyhexes", <i>Computers Chem.</i> , Vol. 20, No. 2, pp. 159-165, 1996	
	CX	MORRISON et al., "Structure and Properties", <i>Organic Chemistry, Third Edition</i> , pp. 4-8, Copyright 1973	
	CY	MORRISON et al., <i>Organic Chemistry, Third Edition</i> , p. 324, Copyright 1973	
	CZ	NOTESS, G.R., "Offspring of PACS: Local databases on the net", <i>Database</i> , Weston, 4 pages, June 1993	
	CA1	PR Newswire: Judy Hunter, "CAS and Dialog agree to publish new standard", New York, Sec. 1, pg. 1 (2 pages total), 29 September 1994	
	CB1	PR Newswire, New York, "Fisher Scientific Adopts Standards: New Electronic Commerce Web Site Among the First to Embrace Open Buying on the Internet Standards", 2 pages, 9 February 1998	
	CC1	RUIZ et al., "Error Detection, Recovery, and Repair in the Translation of Inorganic Nomenclatures. 1. A Study of the Problem", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 36, No. 1, pp. 16-24, 1996	
	CD1	STILLWELL, "Computer Translation of Systematic Chemical Nomenclature to Structural Formulas - Steroids", <i>Journal of Chemical Documentation</i> , Vol. 13, No. 3, pp. 107-109, 1973	
	CE1	VANDER STOUW et al., "Automated Conversion of Chemical Substances Names to Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 14, No. 4, pp. 185-193, 1974	
	CF1	VANDER STOUW et al., "Procedures for Converting Systematic Names of Organic Compounds into Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 7, No. 3, pp. 165-169, 1967	
	CG1	WILDER, "Net Catalog Sales", <i>Information Week</i> ; Manhasset, 2 pages, 1 February 1999	

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